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IDEMIA Public Security Secures Its Leadership in the Market with #1 Rankings on all Fingerprint Related Benchmarks, Including ELFT, in the Latest NIST Results

IDEMIA's top position demonstrates its commitment to providing accurate, secure, and innovative solutions to enable and enhance the work of law enforcement and public safety agencies.

\#   JUSTICE & PUBLIC SAFETY

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Courbevoie, France. March 12, 2025 – IDEMIA Public Security, the leading provider of secure and trusted biometric-based solutions, once again secures its leadership in the market with #1 rankings on all fingerprint related benchmarks, including the Evaluation of Latent Fingerprint Technologies (ELFT), in the latest National Institute of Standards and Technology's (NIST) results. These industry-leading advancements enable law enforcement agencies, border security, and emergency response teams to enhance their operations with greater accuracy and speed.

By achieving a #1 ranking in the Evaluation of Latent Fingerprint Technologies, IDEMIA Public Security showcases their continued outstanding leadership in NIST rankings, which represent the global benchmark and emphasize the need for transparent technology solutions among the industry. IDEMIA's technology continues to power critical safety and security applications, from forensic investigations to rapid identity verification in high-stakes scenarios.

IDEMIA ranked #1 in the following categories:

- **Evaluation of Latent Fingerprint Technologies (ELFT):** Evaluations assess the accuracy of latent fingerprint identification (both fully automated or using features marked by experienced human latent fingerprint examiners) to evaluate the current state-of-the-art. Improving the accuracy of latent fingerprint identification enhances forensic investigations, enabling law enforcement to solve criminal cases more efficiently.

- **Proprietary Fingerprint Template (PFT):** Evaluations assess the accuracy of end-stage fingerprint matchers to assess the core algorithmic capability of performing one-to-one fingerprint verification. This strengthens national security by ensuring seamless one-to-one fingerprint verification, which is critical for border control and secure access management.

- **Minutiae Interoperability Exchange (MINEX):** Evaluations assess the performance of fingerprint matching software using interoperable minutiae-based fingerprint templates, measuring the effectiveness of various fingerprint verification algorithms. In real-life this ensures interoperability between different biometric systems, allowing agencies to collaborate more effectively across jurisdictions and intelligence networks.

- **Slap Fingerprint Segmentation (SlapSeg):** Evaluations assess the accuracy of algorithms used to segment slap fingerprint images into individual fingerprint images. With accurate algorithms, law enforcement and immigration authorities can be confident in their process and verification of identities at border crossings,

airports, and correctional facilities, and can do it at faster speed

→ **NIST Mobile Fingerprinting Innovation Technology Challenge (mFIT):** Evaluations advance mobile fingerprint capture technologies by building and demonstrating prototype applications to serve field applications. This provides law enforcement officers with critical field capability for fast field identification through the use of commercial, standard issue smartphones.

> *I'm extremely proud to share these latest NIST rankings where IDEMIA Public Security ranks #1 across the board on all fingerprint related benchmarks. At the end of the day, higher accuracy means more cases can be solved and more efficiently. At a time when protecting communities is paramount, as well as helping civil servants do their jobs efficiently and effectively, we are proud to deliver the highest level of performance and empower public safety officials and security agencies with technology that enhances investigations, border control operations, and identity verification in high-risk environments.*

Vincent Bouatou, Chief Technology Officer, IDEMIA Public Security

These latest rankings follow **IDEMIA Public Security's #1 ranking** in fairness in Facial Recognition Technology Evaluation (FRTE) and Age Evaluation Verification (AEV) in November 2024. These achievements further underscore IDEMIA's commitment to advancing biometric technology in ways that protect civil liberties while strengthening security measures.

IDEMIA's solutions continue to set new industry benchmarks in accuracy, fairness, and user experience, ensuring that security agencies worldwide have the most reliable and efficient biometric tools at their disposal. For more information on IDEMIA's public security solutions and products, click here.

About IDEMIA Public Security - IDEMIA Public Security, a division of IDEMIA Group is the leading provider of convenient and trusted biometric-based solutions, transforming public and private organizations across the globe. Our industry-enabled and client-specific solutions draw upon decades of expertise in biometrics to revolutionize the fields of public security and identity, travel and transport, and access control. Built on privacy and trust, our market-leading iris, fingerprint and facial recognition solutions top independent benchmarking for accuracy, fairness and scalability. These exacting standards enable our clients to build safer, fairer societies where people can live, interact, and move about freely. Our best-in-class solutions also make us the partner of choice for leading integrators, technology providers, OEMs, and specialized partners.

Learn more   .

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